

1-4. (CANCELED)

5. (NEW) A machine tool transmission, for a spindle transmission, the transmission (1) comprising a pinion shaft (3) for transferring force and torque directly to a spindle, and the spindle is coaxial with the pinion shaft (3)

6. (NEW) The machine tool transmission according to claim 5, wherein the transmission pinion shaft (3) is connected with the spindle, and the connection being a slip free connection which is formed by one of positively locking the pinion shaft (3) to the spindle, and by frictionally connecting the pinion shaft (3) to the spindle.

7. (NEW) The machine tool transmission according to claim 5, wherein the pinion shaft (3) is mounted over a bearing housing (15) in order to reduce an overall length of the transmission (1).

8. (NEW) The machine tool transmission according to claim 5, wherein the pinion shaft (3) is mounted on beveled ball bearings (16, 17).

9. (NEW) A machine tool transmission, for a spindle transmission, the transmission (1) comprising a pinion shaft (3) for transferring force and torque directly to a spindle, the spindle being coaxial with the pinion shaft (3), the pinion shaft (3) communicating with the spindle by one of a slip free positive locking connection and a frictional connection, the pinion shaft (3) being mounted over a bearing housing (15) in order to reduce an overall length of the transmission (1) and the pinion shaft (3) being mounted on beveled ball bearings (16, 17).